

MUNVEGAN EXPLORATION LTD DIAMOND DRILLING COY  
 DATE STARTED: SEPT 26/90 HOLE DIP: -81 HOLE AZIMUTH 210°  
 DATE COMPLETED: SEPT 28/90 HOLE LENGTH 60.0m COLLAR - THOMPSON - APPROX  
 DRILLED BY: KWANE DRILLING LTD. GEOLOGIC LOG BY: RHPW SAMPLED BY: ROY ROBERTS PAGE 1 OF 3

FROM	TO	LITHOLOGY	GEOLOGIC LOG	SAMPLE NO.	FROM	TO	Depth	Depth
0	3.0	NO CORE RECOVERED						
3.0	10.8	VERY DARK GREEN, SPOTTED TO MOTTLED FRACTURED SERPENTINITE VEG TO AMORPHOUS, VERY DARK GREEN TO BROWN GREEN, FREQUENTLY SHEARED AND FRACTURED 1 PER 20CM, FRACTURES COARSE BUFF WHITE IRON CARBONATE, OLIVITE, MINOR TALC. SPARS - SICKENSSEN 10.0-10.8 DANK GREEN SILICEOUS PLUMITIC VOLC. VEG, MODERATELY RELATIVELY SILICEOUS 5-10% DISSEM VEG PHASE 3.0 - 5.6 BROKEN SPOTTED SERPENTINITE VERY DARK GREEN, FREQUENTLY FRACTURED TO SHEARED BUFF VEG OLIVITE OR TALL CARBONATE DRIMED, TRANSLUCENT GOUT 'SOBROWN' SPOTS, 3-4 PER CM <sup>2</sup> , WEAK FOLIATION 70-90° 5.6 - 7.0 FINE, GLAY GREEN TO DARK GREEN GOUGE NON TO LOOSELY CONSOLIDATED, TALCOSE SERPENTINITE 10.0 - 10.8 MOTTLED DARK GREEN SERPENTINITE VEG, ANASTOMOSING, GREY BUFF LOWER CONTACT SHEARED						
10.8	20.6	GREYISH GREEN TO BUFF MOTTLED FE CARBONATE TALL OLIVITE SERP IS CG, DARK GREEN GREEN, FRAGILE GAINED DISSEM SUB TO ANHYDRAL PATCHES BROWN MICA AND DARK GREEN OLIVITE, INCREASED RELATIVE FE CARBONATE ALTERATION WITH INCREASING METEORAL. FRACTURES TEND 60° - 10° WITH MINOR 10CM WIDE. TRANSLUCENT LIGHT GREEN AND TO ORANGE TANN CARBONATE, TALL QUARTZ INFILLING, MOD TO GRADUALLY FOLIATED 13.6 - 13.8 TALCOSE FE CARBONATE GOUGE ~ 60-80° SHEAR 16.2 - 17.1 FREQUENTLY FRACTURED; UNEVEN TO ROUGH TALL FRACTURES 17.0 - 17.3 GOUGE, V. BROKEN CORE 17.8 - 19.1 " " " 20.0 FOLIATION 72° LOWER CONTACT GRADATIONAL, SHEAR AT 20.6 45°		82654	10.0	11.0		
				82655	11.0	12.0		
				82656	12.0	13.0		
				82657	13.0	14.0		
				82658	14.0	15.0		
				82659	15.0	16.0		
				82660	16.0	17.0		
				82661	17.0	18.0		
				82662	18.0	19.0		
20.6	22.4	DUSKY ORANGE TANN CARBONATE ALTERED SERPENTINITE VEG-CG, STRONGLY RELATIVELY FE CARBONATE ALTERED SERPENTINITE, MOTTLED TO MOD FOLIATED WAVES TO WISPS MASSIVE ORANGE FE CARBONATE, COLE BROKEN 3-20CM, 90° UNEVEN. MINOR VEG, DISSEMINATED PHASE, INTERSTITIAL CHLORITE, AND TRANSLUCENT GREY-HERNIM MICA LOWER CONTACT GRADATIONAL, SHEAR AT 20.6 45°		82663	19.0	20.0		
				82664	20.0	20.5		
				82665	20.5	21.0		

FROM	TO	LITHOLOGY	GRAPHIC LOG	SAMPLE NO.	FROM	TO	ANAL	ANAL
22.4	24.5	WHITE GREY MASSIVE QUARTZ  Q <sub>1</sub> , WHITE-GREY, MASSIVE QUARTZ, MINOR CHLORITE COATED, MINOR GRAPHITIC COATINGS PREDOMINANTLY ON FRACTURES AT BOTTOM OF INTERVAL. CONTACTS SHEARED AND BROKEN, LATE LIMONITE STAIN, TRACE TO NIL SULPHIDES, TRAIL GREASE FINGERPRINTS  22.4 - 22.6 UNIFORM SHEAR, MINOR QUARTZ STRINGERS AND CLOTS, TAN CARBONATE THROUGHOUT  22.6 - 23.1 BROKEN MASSIVE QUARTZ  23.1 - 24.2 MASSIVE Q <sub>2</sub> WHITE QUARTZ  24.2 - 24.5 BROKEN MASSIVE GRAPHITIC, INCLUSIONS SHEARED DARK GREEN SERPENTINITE, MINOR LIMONITE STAIN SPARSELY DISSEM ALONG, FRACTURES WITH OXIDIZED DISSEMINATED MG, PYRITE 1%, DISSEM PY		82666 82667 82668 82669 82670 82671 82672	21.0 21.5 22.0 22.4 22.6 23.0 23.5	21.5 22.0 22.4 22.6 23.0 23.5 24.0		
24.5	24.7	LOWER CONTACT, FAULT LIGHT GREEN LIMONITE STAINED, ALTERED NON CALC. RHYOLITE DYKE  V <sub>14</sub> , LIGHT GREEN GREEN, NON CALCAREOUS RHYOLITE, MODERATELY GRADATIONALLY TO STRONGLY PORPHYRICALLY LIMONITE ALTERED, LIMONITIC FRONT - SUBPARALLEL TO CORE AXIS, MINOR V <sub>14</sub> -E <sub>9</sub> N <sub>12</sub> STRINGERS CROSS CUT DYKE 0.1-0.5 CM WIDE, V <sub>14</sub> DISSEM QUARTZ THROUGHOUT RHYOLITE; MINOR DISSEM PY, LOCALLY OXIDIZED IN STRINGERS DUE VERY BROKEN TO LIMONITIC GOUGE  LOWER CONTACT, FAULT.		82673 82674 82675 82676 82677	24.0 24.5 24.7 25.0 25.5	24.5 24.7 25.0 25.6 26.0		
24.7	27.4	BLACK TO LIGHT GRAY BRECCIATED FOLIATED PYRITIC ARGILLITE  V <sub>14</sub> -Q <sub>2</sub> , MIXED MODERATELY TO STRONGLY BRECCIATED, LOCALLY Banded ARGILLITE TO GRIFFY SEDIMENTS, HEAVY TO MODERATELY CARBONATIC, FREQUENTLY FRACTURED TO LIMONITE/CHLORITE/GRAPHITE GOUGE. MINOR NARROW (UP TO 20 CM) WIDE BUFF GRAY NON CALCAREOUS ARGILLITE, 0.1-0.5 CM WIDE QUARTZ STAINING RHYOLITE. LIMONITIC FRACTURES AND CLAST COATINGS L <sub>1</sub> PYRITE DISSEM THROUGHOUT, 10-15% PY, MINOR MG PLATS PY ALUMINATING TO STRONG L <sub>1</sub> L <sub>1</sub> L <sub>1</sub>  24.7 - 25.0 BROKEN CORE, TO 30 25.3 - 25.5 BRECCIATED GRAY GREEN PYRITIC RHYOLITE DYKE 25.7 - 25.9 " " " " " "  26.0 - 27.0 BROKEN CORE, BANDING - 30°, GOUGE AT CONTACTS, 27.2 - 27.4 " " " " " " " " " " " "		82678 82679	26.0 27.0	27.0 28.0		

FROM	TO	LITHOLOGY	DEPTH LOG	SAMPLE NO.	FROM	TO	ANALYST	DATE
		29.6-30.0 BROKEN CORE, GOUGE		82680	28.0	29.0		
		30.0-30.2 MINOR BRECCIATED GREY RHYNOLITE CROSS CUT BY 0.5 CM WHITE QUARTZ STRINGERS STEEPS 25°, RHYNOLITE CONTACTS AND MINOR LIMONITE STRINGERS 125°		82681	29.0	30.0		
		30.5-31.2 BROKEN CORE, BRECCIATED RHYNOLITE, 10-20% VES DISSEMIN. BY, LIMONITE COATINGS ON FRACTURES MINOR QUARTZ STRINGERS WITH COUNTRY ROCK INCLUSIONS		82682	30.0	31.0		
		31.2-32.5 MIXED GREY RHYNOLITE BRECCIA, GRAPHITIC ARGILLITE MINOR SERP. FRACTURES ROUGH, LOCALLY SLICKENSIDED OH (SERP), LIMONITE STAINED, VES BY INTERSTITIAL TO BASIC CLASTS, FRACTURE FILLING & DISSEMINATE		82683	31.0	32.0		
		33.0 BANDING 50°		82684	32.0	33.0		
		33.6-34.0 BROKEN CORE, ROUGH GRAPHITIC, COARSELY BRECCIATED AND MIXED GREY BLACK ARGILLITE, MINOR GRAPHITIC GOUGE, RARE SLICKENSIDES		82685	33.0	34.0		
		36.5-37.2 BROKEN SLICKENSIDED CORE		82686	34.0	36.0		
		38.6-39.4 BROKEN MIXED GRAPHITIC ARGILLITE; LOWER 40.0 CM GRAPHITIC GOUGE.		82687	36.0	38.0		
		41.0-45.5 CORE BROKEN 2-20 CM; GRAPHITIC SLICKENSIDES COMMON, LIMONITE STAIN.		82688	38.0	40.0		
		41.0-41.5 VUGGY, PITTED CORE, WEATHERED OUT		82689	40.0	42.0		
		47.5-47.8 LIGHT GREEN CHERTY PULVIC ARGILLITE, BROKEN CORE		82690	42.0	44.0		
		47.8-50.9 BRECCIATED PULVIC ARGILLITE CROSS CUT BY LIMONITE - PULVIC STRINGERS MINOR CHERTY GOUGE		82691	44.0	50.0		
		50.9-52.4 GRAPHITIC CHERTY SHEARED ARGILLITE; GLITTERY OF QUARTZ, OH, 5% DISSEM. FE PULVIC SHEAR 50°		82692	24.3	24.5	GAAS	
52.4	60.0	DARK GREEN FRACTURED TALCOSE SERPENTINITE		82693	32.0	32.2	GAAS	
	EDH	VE, DARK GREEN, MID TO STRONGLY SHEARED TALCOSE SERPENTINITE. MINOR 45% DISSEM. BY, V. RARE QUARTZ STRINGERS (2 AT TOP OF INTERVAL)		82694	47.4	47.6	GAAS	
		52.4-52.8 ORANGY SHEARED FE-CARBONATE ALTERED SERPENTINITE						
		56.0 FOLIATION 42°						
		57.0-58.1 BROKEN CORE TO SHEAR AT EDH						

K. P. W. White  
Sept 29/90